## **Chapter 2**

# Crash Data



#### **Crash Data**

 The DMV crash database (CRASH) contains information on all reported crashes in North Carolina since January 1, 1990

- Each year there are approximately 225,000 reportable crashes added to CRASH
- There is usually a 2-3 month backlog in the manual data entry of crash data, 1-2 week backlog for electronically submitted data (TraCS, etc.)

### Reportable Crashes

#### A reportable crash is a crash where:

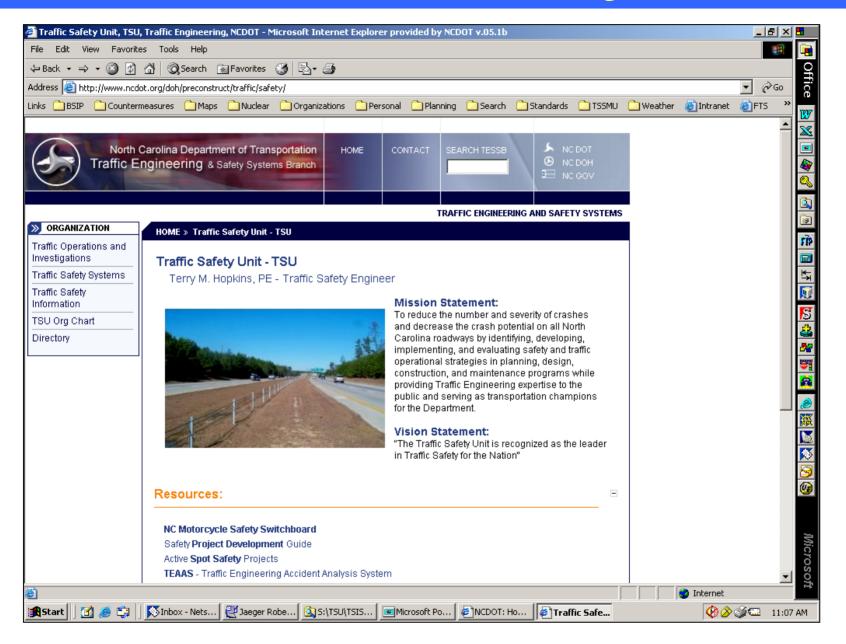
- A fatality occurred
- A non-fatal injury occurred
- Property damage of at least \$1,000 occurred
- A seized vehicle was damaged (any amount)

#### **Levels of Crash Data**

#### There are 3 levels of crash data:

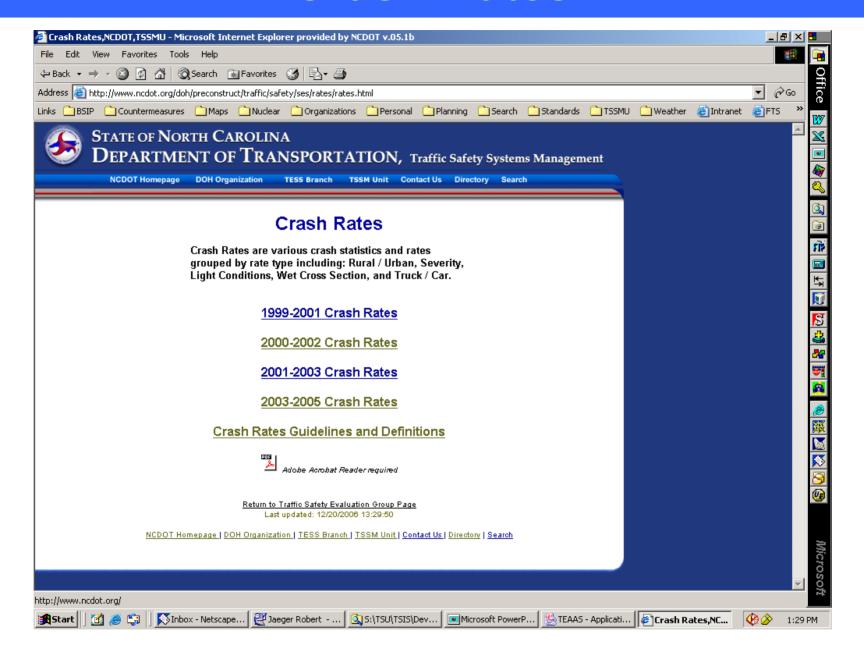
- Crash level data specific to the crash regardless of units or persons involved (such as location, time of day, weather conditions, etc.)
- Unit level data specific to each individual unit regardless of the persons in that unit (such as speed, vehicle type, vehicle maneuver, etc.)
- Person level data specific to each individual (such as age, race, gender, injury, etc.)

### NCDOT's Traffic Safety Unit



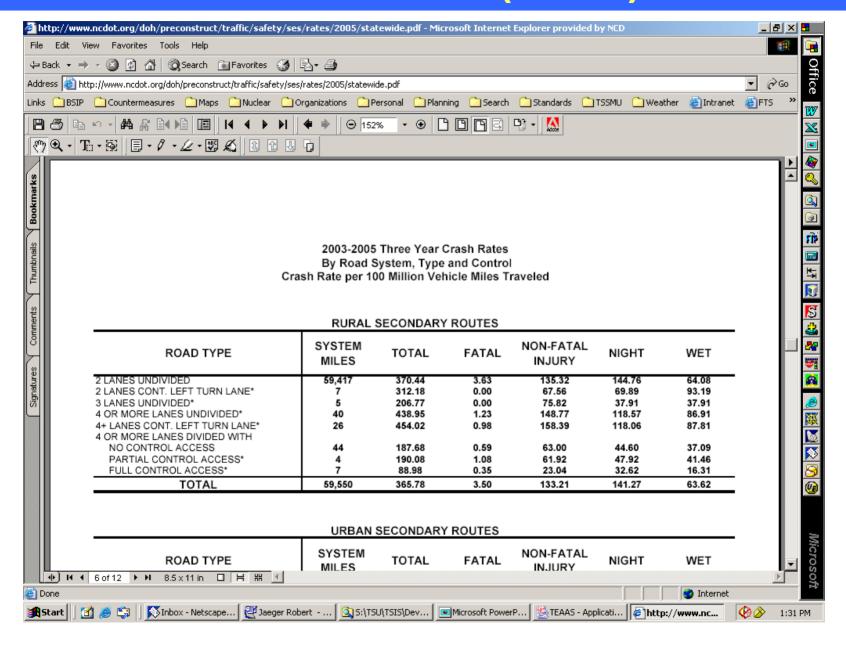
http://www.ncdot.org/doh/preconstruct/traffic/safety/

#### **Crash Rates**

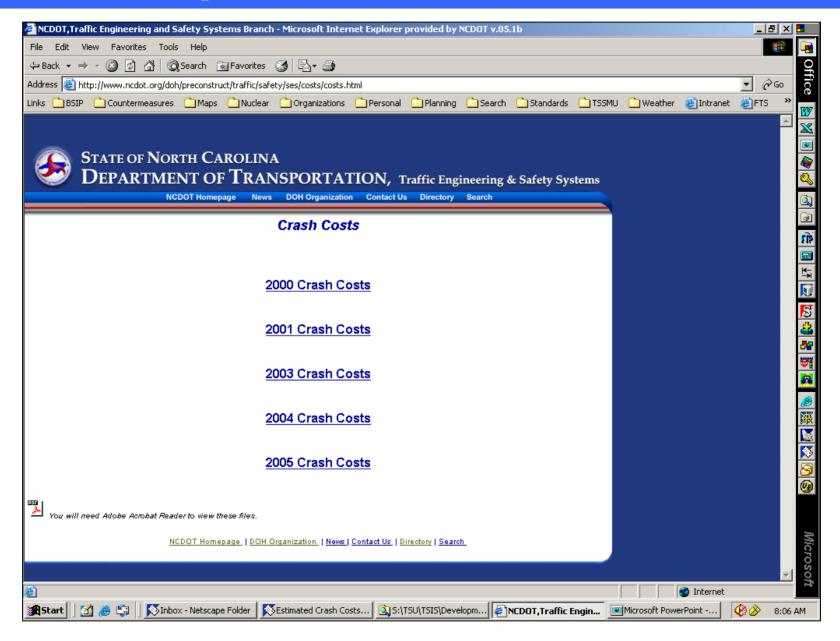


http://www.ncdot.org/doh/preconstruct/traffic/safety/ses/rates/rates.html

#### **Crash Rates (cont.)**

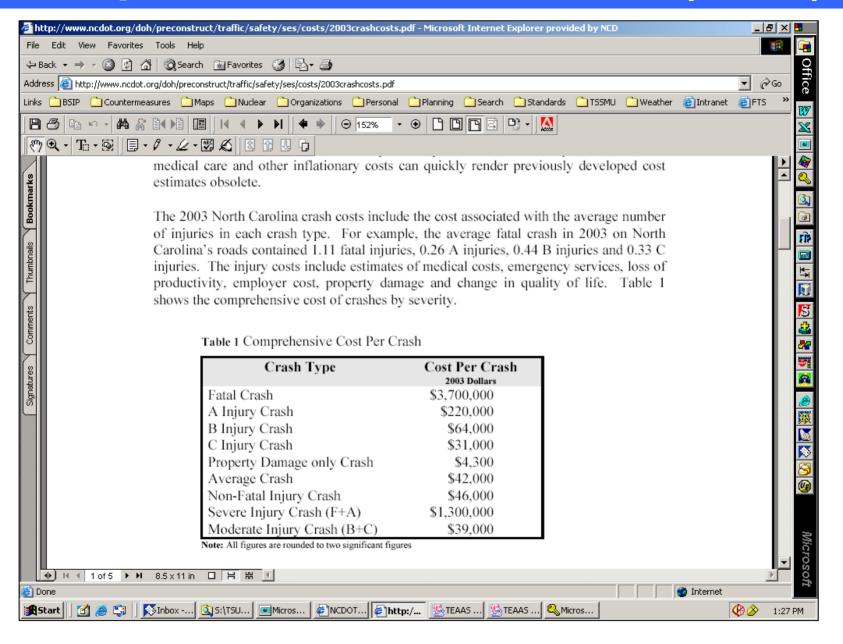


### **Comprehensive Crash Costs**



http://www.ncdot.org/doh/preconstruct/traffic/safety/ses/costs/costs.html

### **Comprehensive Crash Costs (cont.)**



## **NCDOT Identification and Mitigation**

- Safety Planning reviewing projects from a safety perspective
- Fatal Investigations analyzing and investigating locations where fatalities occur
- Highway Safety Improvement Program (HSIP) identifying and analyzing locations that meet minimum safety warranting criteria
- Evaluations reviewing countermeasures to determine their effectiveness
- Road Safety Reviews objective team review of roads meeting minimum crash criteria